

Title (en)

BIODEGRADABLE POLYMER ARTICLES CONTAINING OXYGEN SCAVENGER

Title (de)

BIOLOGISCH ABBAUBARE POLYMERARTIKEL MIT EINEM SAUERSTOFFFÄNGER

Title (fr)

ARTICLES POLYMÈRES BIODÉGRADABLES CONTENANT DES PIÉGEURS D'OXYGÈNE

Publication

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Application

EP 11780958 A 20110225

Priority

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- US 2011026148 W 20110225

Abstract (en)

[origin: US2011281125A1] The invention provides a biodegradable oxygen absorbing plastic comprising a biodegradable substrate a sufficient concentration of reduced iron particles to adsorb oxygen in significant quantities and reduce the deformation temperature of the substrate substantially below the deformation temperature without iron particles present.

IPC 8 full level

C08K 3/08 (2006.01); **B32B 27/08** (2006.01); **B32B 27/18** (2006.01); **B32B 27/36** (2006.01); **C08J 5/18** (2006.01); **C08L 67/04** (2006.01)

CPC (source: EP KR US)

B32B 5/18 (2013.01 - EP US); **B32B 9/02** (2013.01 - EP US); **B32B 9/045** (2013.01 - EP US); **B32B 27/08** (2013.01 - EP KR US); **B32B 27/18** (2013.01 - EP US); **B32B 27/36** (2013.01 - EP US); **C08J 5/18** (2013.01 - EP KR US); **C08K 3/08** (2013.01 - KR); **C08L 67/04** (2013.01 - KR); **B32B 2250/24** (2013.01 - EP US); **B32B 2307/308** (2013.01 - EP US); **B32B 2307/7163** (2013.01 - EP US); **B32B 2307/724** (2013.01 - EP US); **B32B 2439/00** (2013.01 - EP US); **C08J 2301/02** (2013.01 - EP US); **C08J 2303/02** (2013.01 - EP US); **C08J 2305/00** (2013.01 - EP US); **C08J 2367/02** (2013.01 - EP US); **C08J 2367/04** (2013.01 - EP US); **C08K 3/08** (2013.01 - EP US); **C08K 2003/0856** (2013.01 - EP US); **Y10T 428/31681** (2015.04 - EP US); **Y10T 428/31797** (2015.04 - EP US)

Citation (search report)

- [E] WO 2011123298 A2 20111006 - MULTISORB TECH INC [US], et al
- [E] WO 2011112304 A2 20110915 - MULTISORB TECH INC [US], et al
- [XP] WO 2010118049 A1 20101014 - BIOSPHERE IND LLC [US], et al
- [I] US 2007218304 A1 20070920 - BOURGEOIS PHILIP D [US], et al
- See references of WO 2011142871A2

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

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